

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 May 2026

The Comparison Effects of Chlorhexidine Mouthwash and Combination with Oral Suction on Oral Hygiene in Critically Ill Patients

Protocol summary

Summary

Aim: Oral hygiene is important among patients who are admitted in intensive care units. It is one of main issues in nursing care. The purpose of this study was to compare the effects of mouthwash 2% Chlorhexidine and combination with oral suction on oral hygiene in intensive care unit patients. Materials and Methods: In a semi-experimental research design, the 90 patients who were admitted to the intensive care units, selected. inclusion criteria: patient admitted in icu; patient be intubated and patient be under mechanical ventilation. Exclusion criteria: patient have injury in lips and oral; patient have surgery in oral and tracheostomy. Patients randomly divided in two groups. In group one mouthwash with 2% Chlorhexidine applied and in the group two, 2% Chlorhexidine in combination with oral suction used. These procedures applied in 7 days. Oral hygiene status of patients assessed by using Beck checklist at the 1st and 7th days of admission in intensive care units. According to research aims data analysis is down.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012072310366N2**

Registration date: **2012-12-18, 1391/09/28**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-12-18, 1391/09/28

Registrant information

Name

Maryam Tajadiny

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 34 1223 5011

Email address

maryam.tajadiny@gmail.com

Recruitment status

Recruitment complete

Funding source

Kerman University of Medical Sciences

Expected recruitment start date

2012-11-21, 1391/09/01

Expected recruitment end date

2013-05-22, 1392/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Comparison Effects of Chlorhexidine Mouthwash and Combination with Oral Suction on Oral Hygiene in Critically Ill Patients

Public title

The Comparison Effects of Chlorhexidine Mouthwash and Combination with Oral Suction on Oral Hygiene in Critically Ill Patients

Purpose

Prevention

Inclusion/Exclusion criteria

inclusion criteria: patient admitted in icu; patient be intubated and patient be under mechanical ventilation.

Exclusion criteria: patient have injury in lips and oral; patient have surgery in oral and tracheostomy.

Age

From **7 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

kerman university of medical science

Street address

kerman . gomhory bolvard

City

kerman

Postal code

7618747653

Approval date

2012-11-10, 1391/08/20

Ethics committee reference number

k/91/216

Health conditions studied

1

Description of health condition studied

Oral health

ICD-10 code

K00-14

ICD-10 code description

Disorders of tooth development and eruption

Primary outcomes

1

Description

Oral health

Timepoint

First and seventh days

Method of measurement

Beck instrument

Secondary outcomes

empty

Intervention groups

1

Description

In group one mouthwash with 2% Chlorhexidine applied .

These procedures applied in 7 days. Oral hygiene status of patients assessed by using Beck checklist at the 1st and 7th days of admission in intensive care units.

According to research aims data analysis is down

Category

Prevention

2

Description

In the second group, 2% Chlorhexidine in combination with oral suction used. These procedures applied in 7 days. Oral hygiene status of patients assessed by using Beck checklist at the 1st and 7th days of admission in intensive care units. According to research aims data analysis is down

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Bahonar hospital

Full name of responsible person

Maryam Tajadini

Street address

ICU 1, Bahonar hospital, Kerman

City

Kerman

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kerman University of Medical Sciences

Full name of responsible person

Dr. Reza Malekpour Afshar

Street address

Kerman University of Medical Sciences

City

Kerman

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Kerman University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries**Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Maryam Tajadiny

Position

Master of nursing

Other areas of specialty/work**Street address**

Bahonar hospital, Kerman

City

Kerman

Postal code

7856133833

Phone

+98 34 1223 5011

Fax

+98 34 1223 5011

Email

MARYAM.TAJADINY@GMAIL.COM

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Maryam Tajadiny

Position

Master of nursing

Other areas of specialty/work**Street address**

Bahonar hospital, Kerman

City

Kerman

Postal code

7856133833

Phone

+98 34 1223 5011

Fax

+98 34 1223 5011

Email

MARYAM.TAJADINY@GMAIL.COM

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Maryam Tajadiny

Position

Master of nursing

Other areas of specialty/work**Street address**

Bahonar hospital, Kerman

City

Kerman

Postal code

7856133833

Phone

+98 34 1223 5011

Fax

+98 34 1223 5011

Email

maryam.tajadiny@gmail.com

Web page address**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty